

Eligibility criteria

	Inclusion	Exclusion
Population/setting	<p>Patients in inpatient hospitals or outpatient healthcare settings.</p> <p>Residents in long-term care setting.</p> <p>Any kind of healthcare professionals such as doctors, nurses, epidemiologists, microbiologists and nursing care home staff.</p>	<p>Non-healthcare professionals such as cleaning staff.</p> <p>Healthcare professionals in non-clinical setting such as class room or learning laboratory</p>
Intervention	<p>All infection prevention and control measures by ICT including ICLN system such as</p> <ul style="list-style-type: none"> – Formulating and revising policies/guidelines – Performing surveillance of HCAs – Training and educating healthcare professionals – Monitoring and auditing practices and standard of care – Liaising with other staff and departments <p>The intervention can be of any duration and frequency.</p>	<ul style="list-style-type: none"> – Outbreak management – Infection control measures for human immunodeficiency virus, tuberculosis and malaria
Comparison	Any intervention or usual care	
Outcome	<p>Patient-based/clinical outcomes</p> <p>1. Rate of HCAs</p>	Rate of antimicrobial prescription

	<p>2. Death due to HCAs</p> <p>3. Length of hospital stay</p> <p>Staff-based/behavioural outcomes</p> <p>1. Compliance with infection control practices</p> <p>Additional outcomes</p> <p>1. Cost of healthcare system or patients</p>	
Study design	Randomised control trial (individual or cluster)	<p>1. Intervention studies (experimental) without control groups</p> <p>2. Intermittent time series</p> <p>3. Observational studies (nonexperimental)</p> <p>4. Cohort (retrospective and prospective)</p> <p>5. Case control</p> <p>6. Case series</p> <p>7. Cross-sectional</p> <p>8. Ecologic</p> <p>9. Reviews</p> <p>10. Expert opinion or consensus</p> <p>11. Editorial letter</p> <p>12. Guideline</p> <p>13. Implementation</p> <p>14. Commentary</p> <p>15. Outbreak reports</p>
Period	No limitation	
Language	English language only	